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Enclosure

**EPA Office of Solid Waste and Emergency Response and
Office of Prevention, Pesticides and Toxic Substances
Detailed Responses to Senator Patty Murray's Questions on Vermiculite Attic Insulation
and the Libby, Montana Clean-Up**

1. *What were EPA's recommendations on formation of a policy to inform consumers of potential dangers from exposure to Zonolite insulation?*

The Agency's activity in Libby reflects a unique situation where citizens have been exposed for many years to widespread, high levels of asbestos contamination, and suffer unprecedented rates of asbestos related illness. After extensive consideration of scientific and health-related information, the Agency concluded that residents in Libby were a sensitive population, and asbestos exposure which would otherwise present an acceptable risk to a healthy population may cause an increase in disease for a highly impacted community like Libby. EPA decided to remove all potential sources of exposure to asbestos in Libby, including asbestos contamination in yards, playgrounds, parks, industrial sites, the interiors of homes and businesses, and vermiculite attic insulation.

The Agency's guidance to consumers outside of Libby has consistently been to manage in place asbestos or asbestos containing products found in the home. Based on currently available information and studies the Agency continues to believe that, absent the unique conditions present at Libby, vermiculite insulation poses minimal risk if left undisturbed. If removal of the insulation is desired, the Agency recommends that this work be done professionally.

To better understand the potential risks of asbestos contaminated vermiculite attic insulation, EPA's Office of Prevention, Pesticides and Toxic Substances (OPPTS) initiated the first phase of a limited study to evaluate the level of asbestos in vermiculite attic insulation in homes in the Spring of 2001. The study included six homes in Vermont and simulations in an enclosure. This preliminary study will be used to help the Agency design the next phase of a more comprehensive study and to help determine whether the Agency's guidance in place for many years - to manage asbestos contaminated material in place or hire professionals to conduct removals - is still appropriate or should be revised. Formal external peer review is finished for the first phase of the study. The Agency's Office of Research and Development (ORD), as well as others, are currently reviewing the preliminary study.

Based on the findings from this study, EPA will revise or supplement the existing guidance and outreach materials as necessary, and further inform the public about how best to manage vermiculite attic insulation.

2. *To what extent were OMB and other federal agencies and departments involved in the decision whether to declare a public health emergency in Libby or to notify people nationwide of the dangers potentially posed by exposure to Zonolite?*

EPA consulted extensively with other federal and state partners in determining the best course of action to address all sources of asbestos contamination in Libby. This included the

Office of Management and Budget (OMB), the Department of Health and Human Services, the Center for Disease Control, the Agency for Toxic Substances and Disease Registry, U.S. Geological Survey, Occupational Safety and Health Administration, the State of Montana, and many others. These consultations focused on scientific issues associated with asbestos contaminated vermiculite exposure, not to discuss public health emergency declarations. The Agency was also contacted by several members of Congress who wished to express the depth of their concern and share their views regarding this matter. In general, EPA tries to share information and discuss potential response decisions with interested parties, especially those with expertise in the area, so it can make the most informed decision.

After consulting broadly with experts in the field, the Agency determined a course of action regarding both the removal of asbestos contaminated vermiculite attic insulation and the public outreach to be conducted beyond Libby, Montana. These decisions were made by the Administrator, in close consultation with the Office of Solid Waste and Emergency Response, the Office of Enforcement and Compliance Assurance, the Office of General Counsel, the Office of Prevention, Pesticides and Toxic Substances, and EPA Region 8.

3. *What process did the Administration use in making these decisions? Specifically what roles did individual agencies play and who in these agencies was involved in the process?*

EPA's primary focus was on protecting the residents of Libby by removing the multiple sources of asbestos exposure as quickly as possible. EPA considered many factors, including the National Oil and Hazardous Substances Pollution Contingency Plan. Ultimately, the Agency chose not to rely upon CERCLA's health emergency provision, in part, to minimize the possibility of removal work being delayed by possible legal challenges to this novel approach, and instead relied upon more traditional removal authorities. EPA concluded that homes in Libby contained vermiculite attic insulation that did not constitute a "product." The Agency therefore could clean up the insulation without addressing the question of whether it constituted a public health emergency.

In making its response decisions in Libby, EPA engaged in a major effort to discuss and consider the issues associated with its approach to cleaning up asbestos contamination, both in Libby and at more than 20 contaminated sites out of the 241 domestic vermiculite processing facilities. Although 175 of these sites had processed Libby vermiculite, EPA's sampling confirmed that contamination only remained at 22 sites. To date, EPA or the responsible parties have cleaned up or have cleanup underway at 10 of these sites and the remaining 12 sites are either being addressed or are under further investigation and response planning. This effort has been one of the most significant actions ever taken under the Superfund program, and has involved the participation and collaboration of a great many people and organizations at the local, state and federal level.

4. *Which outside parties, such as corporations, non-governmental organizations or associations, did EPA consult with on these decisions?*

During the more than two years in which EPA has been working on Libby, Agency officials have met with the Libby community and its Technical Assistance Group, other agencies, businesses in Libby and international corporations, various associations, the State and subcommittees of both houses of the U.S. Congress. Community members, the Vermiculite Association, and W.R. Grace Corporation have all corresponded with the Agency to state their opinions or to ask for information about our work at the site.

5. *What was OMB's final recommendation to EPA? What recommendations, if any, did EPA receive from other federal agencies and departments?*

Neither OMB, nor any other federal agency directed EPA to use a specific course of action regarding whether to employ the health emergency provision of CERCLA. As stated previously, EPA consulted extensively with other federal partners, including OMB, in determining the best course of action to address all sources of asbestos contamination.

6. *Who ultimately directed EPA not to issue a public health emergency in Libby last spring nor to proactively notify the public in a proper manner?*

No one directed the Agency. The decision was made by EPA. After searching broadly for input from the many agencies within the Executive Branch with expertise to inform our thinking, the Agency decided to perform the cleanup under traditional Superfund program removal authorities. Furthermore, regarding outreach on the Libby decision, the Agency has conducted many public meetings concerning the Libby cleanup, and testified before Congress in July, 2001. Since the Agency's first removal actions, the On-Scene Coordinator in Libby has been in regular contact with the citizens of Libby discussing the progress of the cleanup and communicating about the issues of the vermiculite attic insulation. The Administrator also spoke extensively on issues concerning vermiculite contamination during her visit to Libby, Montana in September of 2001.

7. *What are EPA's most current estimates of how many homes, businesses and schools still contain Zonolite? How did EPA derive these numbers?*

Over the years several attempts have been made to estimate the number of homes that may contain vermiculite attic insulation. While numbers have been included in at least one study conducted for the Agency in 1985, the Agency does not believe that these estimates are reliable. EPA recently again tried to estimate the number of homes, businesses and schools that may still contain vermiculite attic insulation but again determined that this task was virtually impossible to complete because there is little information about how many homes contain vermiculite insulation (outside of Libby) as well as little data about what happens to homes after they are built. Any numbers derived from such an effort would be inaccurate and misleading.

In the Libby valley, the Agency is identifying which homes contain asbestos contaminated vermiculite insulation in the attic and wall space by visually inspecting homes. The good news is that EPA is finding vermiculite insulation in fewer homes than the Agency anticipated in this region.